



# ***Getting the Most From Your Hazardous Material Management System***

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**2011 E2S2 Conference**

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# About HMMS



## Cradle-to-Grave Environmental Information Management Solution

Inventory can be pre-authorized before it is ordered, allowing you to select less costly or safer alternatives. You have total visibility and control of what comes onto your facility.

### PRE-ACQUISITION

By labeling and barcoding inventory, you know what you have, where it is located, who is using it, and on what equipment it's being used. This allows you to track costs, reduce shrinkage, and take advantage of bulk purchases.

### LABEL & BARCODE

Bulk quantities can be broken into job-specific quantities. This reduces spillage, contamination, and employee exposure. Material not completely used can be returned for reissue.

### ISSUE & REUSE

Waste is tracked from generation through disposal. Automated manifests ensure accuracy, resulting in significantly reduced disposal costs. Comprehensive, Worldwide waste tracking and reporting is now a reality.

### WASTE

EPA, OSHA, EPCRA, RCRA and site-specific reports are as simple as one click of the mouse. Without HMMS these reports can cost you tens of thousands of dollars each to prepare.

### REPORTING



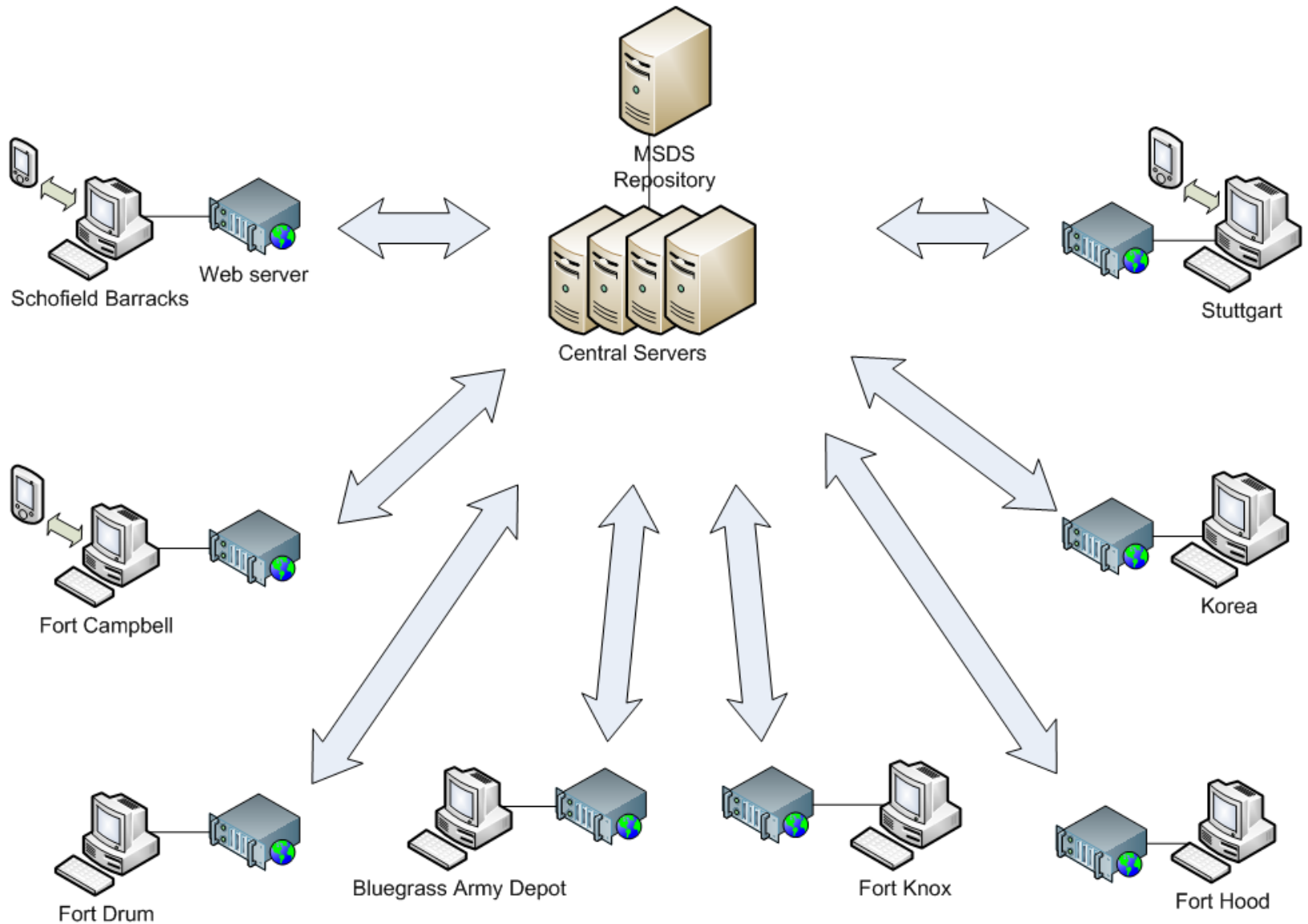
The screenshot displays the 'New Inventory' form in the HMMS software. It includes fields for 'Issue Point Code' (with a dropdown menu), 'Product/MSDS Nr', 'UPC Code', 'KR ID', and 'Container Information'. There are also checkboxes for 'Package Label' and 'Tracking Label Item'. The 'Tracking Label Item' section shows a barcode and the number '21234'. The form is divided into sections for 'Container Information' and 'Tracking Label Item'.



# ***History of HMMS in the Army***

- **1992 Joint Logistics System Center selected a text-based system used at Hill AFB for development**
  - **Developed to support DoD maintenance depots**
  - **Most stringent environmental requirements**
  - **Deployed to all Army depots by 1996**
- **1997 Program Management Responsibility Transferred to OO-ALC at Hill AFB**
- **1998 Client-server version 3.0 released**
- **2004 HMMS moved to a web-based platform (version 4.0)**
- **2006 HMMS selected as Army standard**
- **2007 Central model was set up and deployment to sites begun**

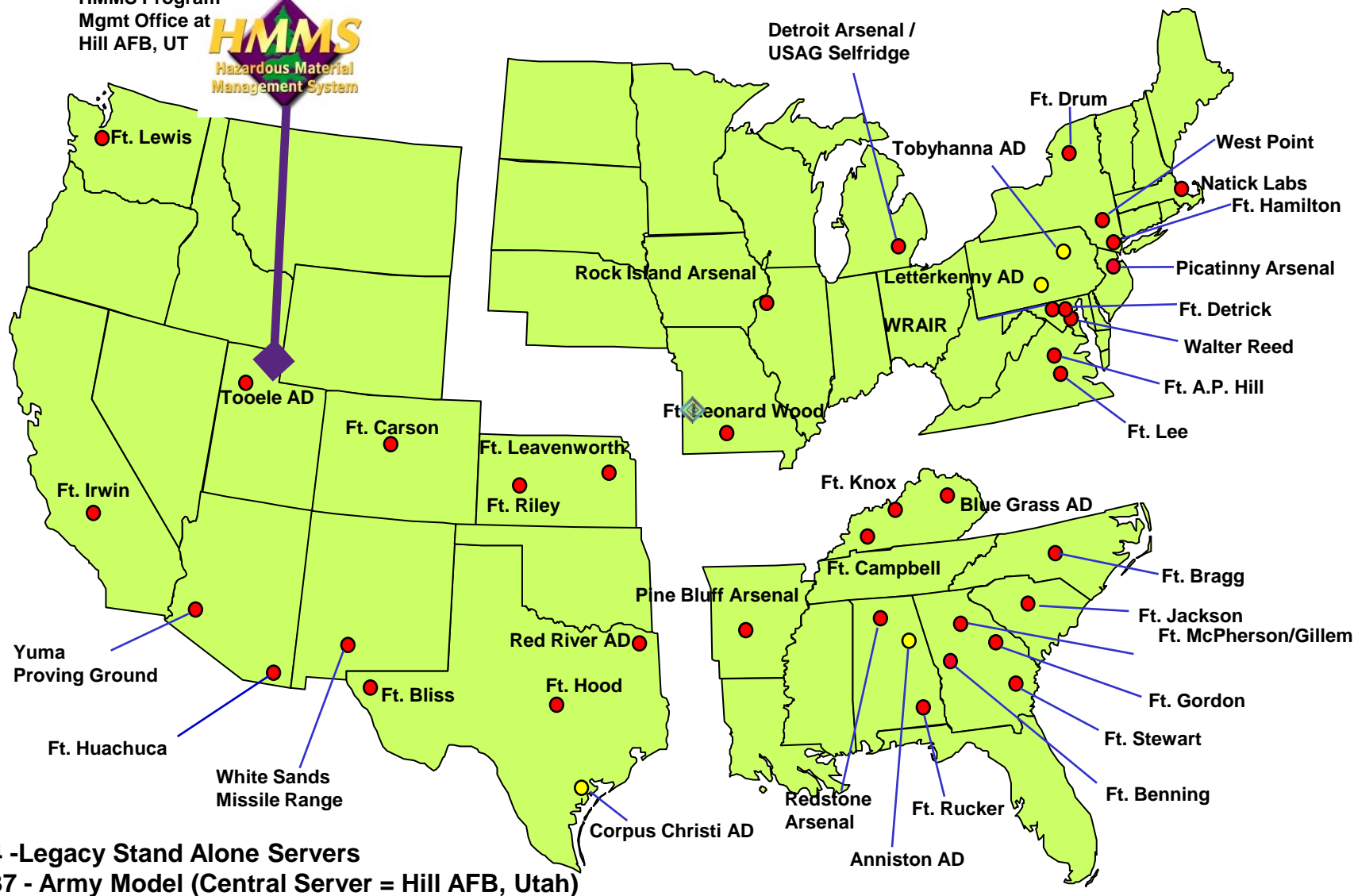
# Central Model





# Army HMMS Users

HMMS Program  
Mgmt Office at  
Hill AFB, UT

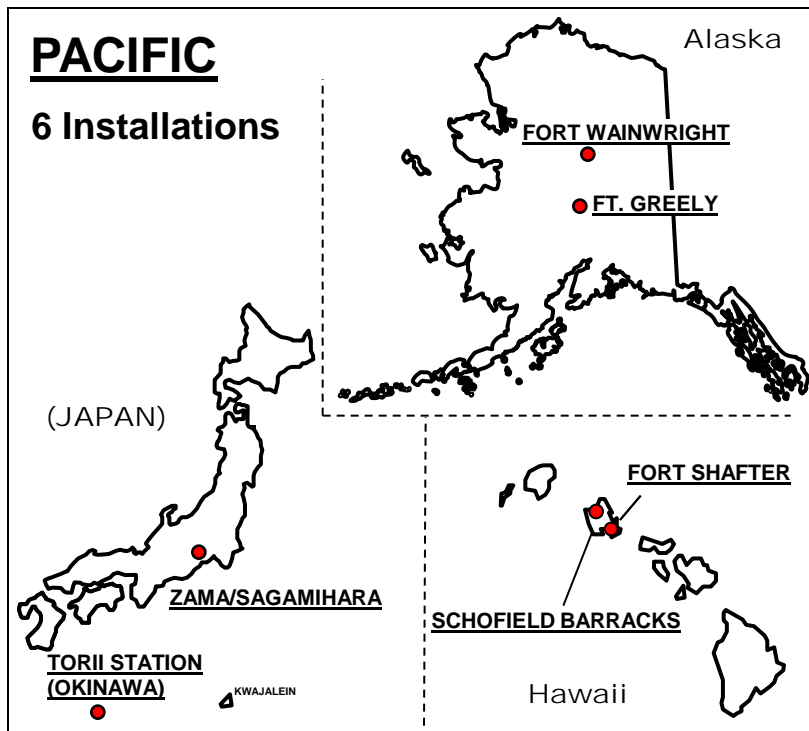




# Army HMMS Users

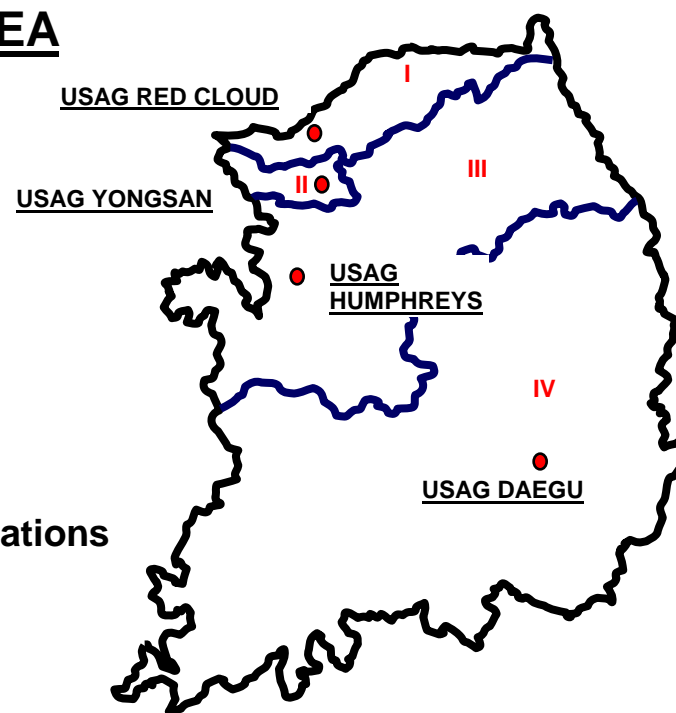
## PACIFIC

6 Installations



## KOREA

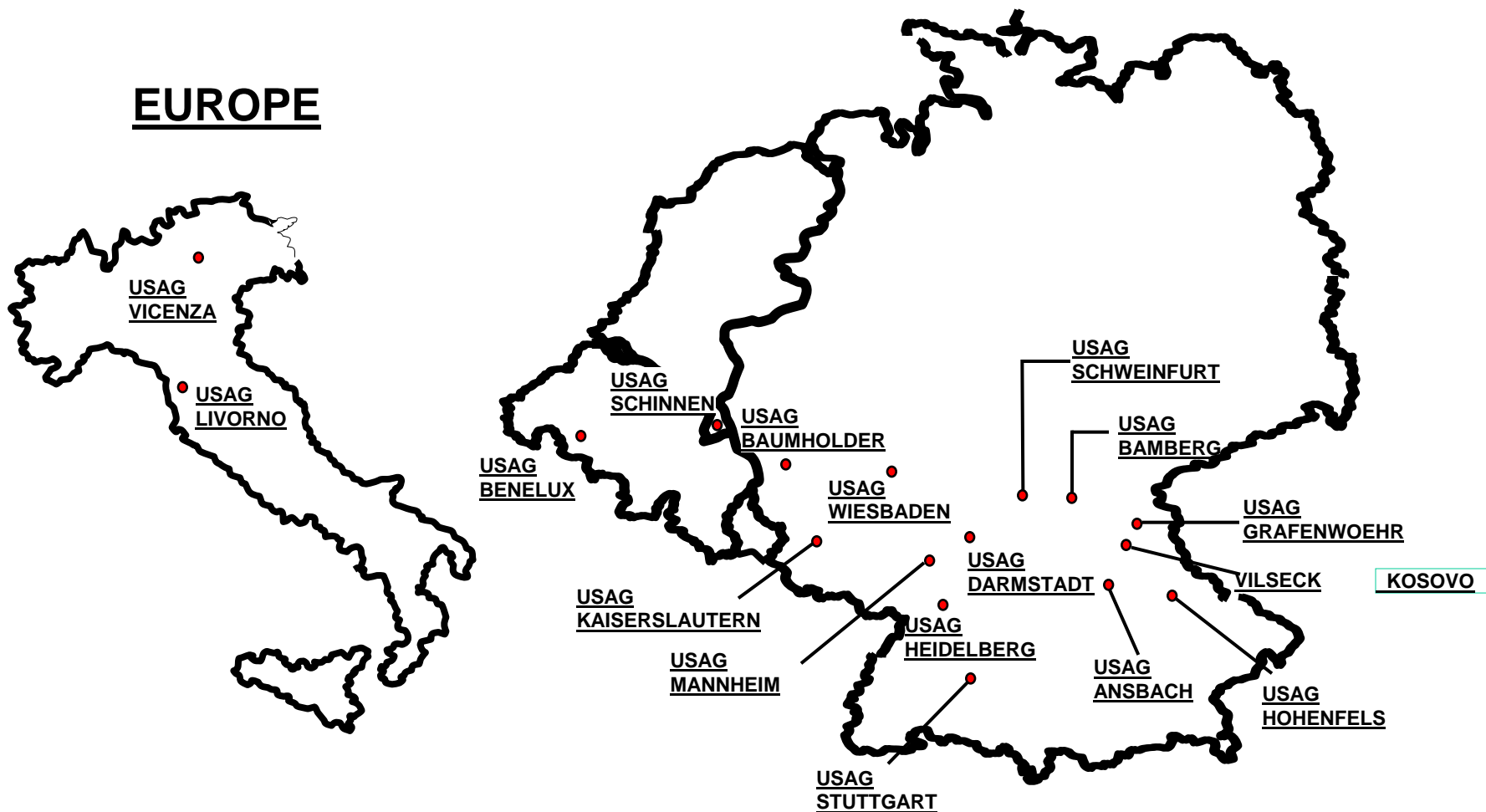
4 Installations





# Army HMMS Users

## EUROPE







## • Advantages

- Reduced overhead (server replacement/maintenance)
  - HMMS Software centrally hosted (vice 40 servers at 40 sites)
  - Site databases centrally hosted (one database administrator)
- Standardized version/upgrading
- Standard training
- Standard business practices
- Inter-site sharing of materials
  - Every site can obtain the information for material obtained from another site (transferred with the material using HMMS)
- Shared MSDS repository (vice 40 repositories)
  - MSDS data entry service
  - Standard, quality controlled MSDS data/images
- Central report-writing service
- All transactions are web-based



## **HMMS Training URLs**

- 4 Training URLs currently set aside for centrally hosted sites
  - AR0TRAIN replicates the central MSDS repository
  - AR1TRAIN thru AR3TRAIN can be configured with any site database
- URLs can be used for training, beta testing, etc.



# Army Central Model



## Army Points of Contact

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# Questions/Additional Discussion



# Back-up Slides



# Army Breakout Session



## Army HMMS Users

### CONUS

- Bluegrass Army Depot
- FT Huachuca
- FT Bliss
- FT Campbell
- FT Leavenworth
- Red River Army Depot
- Walter Reed AMC
- FT Detrick
- Pine Bluff Arsenal
- FT Bragg
- FT A.P. Hill
- FT Knox
- FT Lee
- FT Benning
- Detroit Arsenal
- FT Drum
- FT Stewart
- FT Gordon
- West Point
- Picatinny Arsenal
- FT Hamilton
- FT Carson
- FT Jackson
- Yuma Proving Ground
- Rock Island Arsenal
- FT Riley
- FT Leonard Wood
- FT Lewis
- White Sands
- FT Irwin
- Tooele Army Depot
- WRAIR/NMRC
- FT Hood
- FT Gillem
- FT Rucker
- Natick Labs

### Stand alone

- Tobyhanna AD
- Anniston AD
- Letterkenny AD
- Corpus Christi AD



# Army Breakout Session



## Army HMMS Users

### EUROPE

- Ansbach
- Bamberg
- Baumholder
- Chievres/Brussels
- Grafenwoehr
- Heidelberg
- Hohenfels
- Kaiserslautern
- Kosovo
- Livorno
- Mannheim
- Schinnen
- Schweinfurt
- Stuttgart
- Vicenza
- Vilseck
- Wiesbaden

### PACIFIC

- Camp Zama
- FT Greely
- FT Shafter
- FT Wainwright
- Okinawa
- Schofield Barracks

### KOREA



## Local vs Central Data Elements

### Current local fields:

- Threshold Planning QTY1
- Threshold Planning QTY2
- State Usage Limit
- Local Usage Limit
- Chemical Information Child Records
- Group Code
- ARC1
- ARC2
- ARC3
- ARC4
- CTS
- Hazard Category 1
- Hazard Category 2
- Haz Code
- PPE Code
- Disposal Code
- Permit Constraint Type
- Storage Type Code
- Restricted Indicator
- Exemption Code

### Proposed changes:

- Exempt (centrally entered; locally edited)
- Reportable Qty (same)
- VOC Reactivity Code (same)
- All 4 VOC Fields (same)
- HAP Fields (same)
  
- Active Indicator (new local field)
- MSDS Comments (same)
  
- Price (locally entered/editable)
- Container quantity (same)
- Vendor child record (same)
  
- Other Ingredients Child Record (allow central edits)
- Synonyms (same)